

FORM PTO-1449 U.S. Department of
Commerce Patent and Trademark Office

ATTY. DOCKET NO.

SERIAL NO.

1309.43490X00

~~10/049,055~~ 10/769,805

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

APPLICANT
K. TAMURA, et al

FILING DATE
February 3, 2004

GROUP
2186

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
HBP	6 1 4 5 0 2 8	11/00	Shank et al.			
HBP	6 6 8 4 3 1 3	1/04	Voigt et al			
HBP 2 0 0 2	0 0 1 9 9 0 9	2/02	D'Errico			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO
HBP 1 3 5 7 4 7 6	10/03	European			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER /Hetul Patel/

DATE CONSIDERED 06/29/2006

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])

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U.S. PATENT DOCUMENTS

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HBP	4 0 2 5 9 0 4	5/77	Adney et al			
	5 4 0 8 4 6 5	4/95	Gusella et al			
	5 4 5 9 8 5 7	10/95	Ludlam et al			
	5 6 8 0 5 8 0	10/97	Beardsley et al			
	5 8 7 0 5 3 7	2/99	Kern et al			
	5 8 9 5 4 8 5	4/99	Loechel et al			
	5 9 1 7 7 2 3	6/99	Binford			
	5 9 5 6 7 5 0	9/99	Yamamoto, et al			
	6 0 1 2 1 2 3	1/00	Pecone et al			
	6 0 9 8 1 2 9	7/00	Fukuzawa et al			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
						YES NO
HBP	1 0 2 8 3 2 7 2	10/98	Japan			XX
HBP	2 0 0 0 0	10/00	Japan			XX
HBP	2 0 0 0 1	3/01	Japan			XX

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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HBP	6 1 7 3 3 7 4	1/01	Heil, et al			
	6 2 1 9 7 5 3	4/01	Richardson			
	6 2 4 7 0 9 9	6/01	Skazinski et al			
	6 2 4 7 1 0 3	6/01	Kern et al			
	6 4 4 6 1 4 1	9/02	Nolan et al			
	6 4 4 6 1 7 5	9/02	West et al			
	6 4 8 4 1 7 3	11/02	O'Hare, et al			
	6 4 9 0 6 5 9	12/02	McKean et al			
	6 5 2 3 0 9 6	2/03	Sanada et al			
	6 5 2 9 9 7 6	3/03	Fukuzawa et al			
	6 5 5 3 4 0 8	4/03	Merrell et al			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
						YES NO
HBP	2 1 5 7 0 9 1	5/02	Japan			XX
HBP	2 2 3 0 2 4 6	8/02	Japan			XX

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	White Paper, "Network Attached Storage in the Data Protection Environment", Sony Electronics Inc., Feb. 2002, pps. 1-23.
	S. Sicola, "SCSI-3 Fault Tolerant Controller Configurations Utilizing SCC & New Event Codes", High Availability Study Group, Doc. No. X3T10 95-312r3, Rev. 3.0, Feb. 28, 1996, pp. 1-4.

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HBP	6	6	4	0	2	7	8	10/03	Nolan et al			
	6	6	4	7	4	7	4	11/03	Yanai et al			
	6	6	5	4	8	3	0	11/03	Taylor et al			
	6	6	5	4	8	3	1	11/03	Otterness et al			
	6	6	7	5	2	5	8	1/04	Bramhall et al			
	6	6	8	1	3	3	9	1/04	McKean et al			
	6	6	8	4	3	1	0	1/04	Anzal et al			
	6	7	4	5	2	8	1	6/04	Saegusa			
	6	7	9	9	2	5	5	9/04	Blumenau et al			
	6	8	5	1	0	2	0	2/05	Matsumoto et al			
↓	6	8	8	3	0	6	4	4/05	Yoshida et al			

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HBP	2 0 0 1	0	0	5	0	9	1	5	12/01	O'Hare et al			
HBP	2 0 0 1	0	0	5	2	0	1	8	12/01	Yokokura			
HBP	2 0 0 2	0	0	0	4	8	5	7	1/02	Arakawa et al			
HBP	2 0 0 2	0	1	3	3	7	3	5	9/02	McKean et al			
HBP	2 0 0 2	0	1	5	6	8	8	7	10/02	Hashimoto			
HBP	2 0 0 3	0	0	3	7	0	7	1	2/03	Harris et al			
		6	3	5	6	9	7	7	3/02	Ofek et al			

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HBP	2 0 0 3	0	0	5	1	1	0	9	3/03	Cochran			
HBP	2 0 0 3	0	0	5	6	0	3	8	3/03	Cochran			
HBP	2 0 0 3	0	0	9	7	6	0	7	5/03	Bessire			
HBP	2 0 0 3	0	1	0	1	2	2	8	5/03	Busser et al			
HBP	2 0 0 3	0	1	1	5	4	3	2	6/03	Biessener et al			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
													YES	NO
HBP		1	4	1	6	0	6	2	5/03	China			Eng. Trans.	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

HBP		"SAN Virtualization Guidelines", DataCore Software Corporation, 2000, pp. 1-9.

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HBP	2 0 0 3 0 1 2 6 3 2 7	7/03	Pesola et al			
HBP	2 0 0 3 0 1 4 5 1 6 8	7/03	LeCrone et al			
HBP	2 0 0 3 0 1 5 8 9 9 9	8/03	Hauck et al			
HBP	2 0 0 3 0 1 6 7 4 1 9	9/03	Yanai et al			
HBP	2 0 0 3 0 2 0 0 3 8 7	10/03	Urabe et al			
HBP	2 0 0 3 0 2 0 4 5 9 7	10/03	Arakawa et al			
HBP	2 0 0 3 0 2 1 2 8 6 0	11/03	Jiang et al			

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HBP	2 0 0 0 3 0 2 2	1/04	Garrison et al			
HBP	2 0 0 4 9 5 5 3	3/04	Iwamura et al			
HBP	2 0 0 5 4 8 5 0	3/04	Fisk			
HBP	2 0 0 6 4 6 1 0	4/04	Fukuzawa et al			
HBP	2 0 0 6 4 6 4 1	4/04	Kodama			

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
HBP	2 0 0 4 0 1 2 3 1 8 0	6/04	Soejima, et al			
HBP	2 0 0 4 0 1 4 3 8 3 2	7/04	Yamamoto, et al			
HBP	2 0 0 4 0 1 4 8 4 4 3	7/04	Achiwa et al			
HBP	2 0 0 4 0 1 7 2 5 1 0	9/04	Nagashima et al			
HBP	2 0 0 4 0 2 3 0 9 8 0	11/04	Koyama et al			
HBP	2 0 0 4 0 2 6 0 8 7 5	12/04	Murotani et al			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Introduction to Storage Pooling, Consolidation Storage Resources with DataCore SANsymphony Software" White Paper, DataCore Software, updated July 2003, pp. 1-8.

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
HBP	5 1 5 5 8 4 5	10/92	Beal et al			
HBP 2 0 0 4	0 2 6 0 9 6 6	12/04	Kaiya et al			
HBP 2 0 0 2	0 0 2 9 3 2 6	3/02	Reuter et al			
HBP 2 0 0 2	0 0 0 3 0 2 2	1/02	Csida et al			
HBP 2 0 0 2	0 0 2 6 5 5 8	2/02	Reuter et al			
HBP 2 0 0 2	0 0 1 9 9 2 0	2/02	Reuter et al			
HBP 2 0 0 2	0 0 1 9 9 2 2	2/02	Reuter et al			
HBP 2 0 0 2	0 0 1 9 9 2 3	2/02	Reuter et al			

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6 1 9 5 7 3 0	2/01	West			
HBP	2 0 0 1 9 9 0 8	2/02	Reuter et al			
HBP	2 0 0 6 5 8 6 4	5/02	Hartsell, et al			
HBP	2 0 0 8 7 5 4 4	7/02	Selkirk, et al			
HBP	2 0 0 1 0 3 8 8 9	8/02	Markson, et al			
HBP	2 0 0 1 1 2 1 1 3	8/02	Karpoff, et al			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
						YES	NO
HBP	9 7 0 9 6 7 6	3/97	PCT				

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HBP	2 0 1 5 6 9 8 4	10/02	Padovano			
HBP	2 0 1 5 6 9 8 7	10/02	Gajjar, et al			
HBP	2 0 1 7 8 3 3 5	11/02	Selkirk, et al			
HBP	2 0 1 8 8 5 9 2	12/02	Leonhardt, et al			
HBP	2 0 2 4 0 7 4 1	10/05	Nagasawa et al			
	5 9 7 8 8 9 0	11/99	Ozawa et al			

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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

HBP	P. Sarkar, et al "Internet Protocol Storage Area Networks", IBM Systems, Journal, vol. 42, No. 2, 2003, pp. 218-231.
HBP	E. Anderson, et al, "Hippodrome: Running Circles Around Storage Administration", Hewlett-Packard Laboratories, pp. 14.

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HBP	2 0 0 4	0	0	8	8	4	1	7	5/04	Bober, et al			
HBP	2 0 0 3	0	0	9	3	5	6	7	5/03	Lolayekar, et al			
HBP	2 0 0 4	0	0	6	8	6	3	7	4/04	Nelson et al			
HBP	2 0 0 3	0	2	2	9	6	4	5	12/03	Nelson et al			
HBP	2 0 0 5	0	0	3	3	8	7	8	2/05	Mogi et al			
HBP	2 0 0 4	0	1	3	9	2	3	7	7/04	Pangal et al			
HBP	2 0 0 3	0	1	1	5	2	1	8	6/03	Bobbit et al			

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↓	6	8	5	7	0	5	7	2/05	Nelson et al			
↓	6	9	7	3	5	4	9	12/05	Testardi			
↓	6	9	7	6	1	0	3	12/05	Watanabe et al			
↓	3	7	7	1	1	3	7	11/73	Barner et al			

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HBP	0	3	0	2	3	6	4	0	3/03	PCT				

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HBP	JP 10-508967 (PCT equivalent WO 97/09676).

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	6 6 4 7 3 8 7	11/03	McKean et al			
	6 7 7 2 3 1 5	8/04	Perego			
	R E 3 7 3 0 5	7/01	Chang et al			
	2 0 1 3 8 1 8 4	6/05	Amir			
	2 0 0 5 4 8 6 6	3/04	Blumenau et al			
	2 0 0 2 8 0 4 3	2/04	Maveli et al			

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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

HBP	"SANRAD Application Note: Migrating Individual Servers to an iSCSI SAN", APP-004-01, SANRAD 2003, pp. 1-15.
HBP	"SANRAD Application Note: Data Migration Solution Transferring Data Between Storage Systems Over Fibre-Channel or SCSI Connections, APP-003-03, SANRAD 2003, pp. 1-9.
HBP	"White Paper – Celerra Data Migration Service (CDMS)", EMC Corporation, Jan. 2002, pp. 1-13.

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HBP	2 0 0 2	0	1	2	4	1	0	8	9/02	Terrell et al			
HBP	2 0 0 3	0	2	0	4	7	0	0	10/03				
HBP	2 0 0 5	0	0	1	0	7	4	3	01/05	Tremblay et al			
HBP		4	7	1	0	8	6	8	12/87	Cocke et al			
HBP		6	3	4	1	3	2	9	1/02	LeCrone et al			
HBP		6	6	8	1	3	0	3	1/04	Watabe et al			

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(Form PTO-1449 [6-4])

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. 1309.43490X00	SERIAL NO. 10/649,835 10/769,805
	APPLICANT K. TAMURA, et al	
	FILING DATE February 3, 2004	GROUP 2186

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
HBP	5 7 5 8 1 1 8	5/98	Choy et al	711	114	
	5 8 3 5 9 5 4	11/98	Duyanovich et al	711	162	
	6 1 0 8 7 4 8	8/00	Ofek et al	711	112	
	6 2 3 0 2 3 9	5/01	Sakaki et al	711	112	
	6 2 4 0 4 8 6	5/01	Ofek et al	711	112	
	6 4 5 7 1 3 9	9/02	D'Errico et al	714	5	
	6 6 4 0 2 9 1	10/03	Fujibayashi et al	711	162	
	6 8 2 6 7 7 8	11/04	Bopardikar et al	725	145	
	6 8 1 6 9 4 8	11/04	Kitamura et al	711	152	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
						YES	NO
HBP	1 1 3 0 5 1 4	9/01	European				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
HBP	5 5 4 8 7 1 2	8/96	Larson et al	714	7	
	5 6 8 0 6 4 0	10/97	Ofek et al	710	19	
	2 0 1 9 4 5 2 3	12/02	Ulrich et al	714	4	
	2 0 1 8 2 5 2 5	9/03	O'Connell et al	711	162	
	2 0 0 8 1 0 0 9	4/05	Williams et al	711	163	
	2 0 0 1 0 7 3 4	1/05	Soejima et al	711	163	
	2 0 1 4 5 1 6 9	7/03	Nagasawa et al	711	117	
V	7 0 5 1 1 2 1	5/06	H. Ohno, et al			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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